

## MODULATION OF PDE11A ACTIVITY

## Abstract

The invention provides genetically-modified non-human mammals and genetically-modified animal cells containing a functionally disrupted PDE11A gene. Also provided by the invention are methods of screening for agents that modulate PDE11A to modulate spermatogenesis, methods of treating mammals to modulate spermatogenesis, and methods of modulating cAMP and cGMP signal transduction in cells that express PDE11A.

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